

Dharmsinh Desai University, Nadiad  
Faculty of Technology  
Department of Computer Engineering



**ASSIGNMENT 8**

Subject: Smart Device Programming

**Submitted To:**

Prof. Jignesh Shah

CE Department

**Submitted By:**

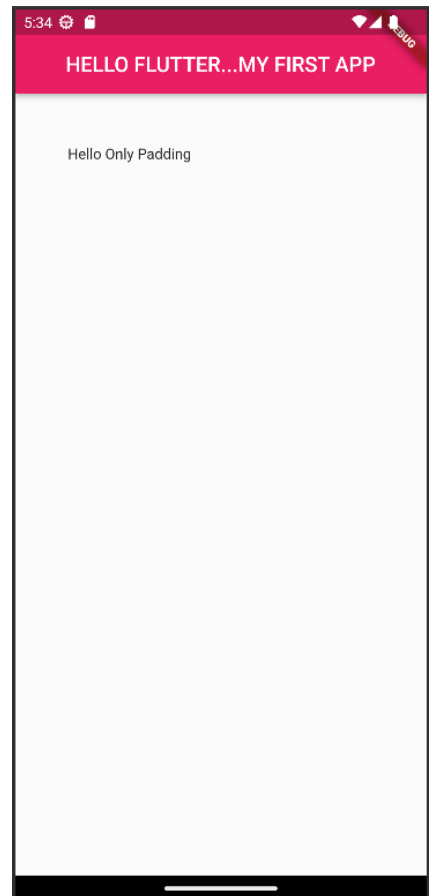
Aneri V. Sonani

Student ID : 20CEUOG138

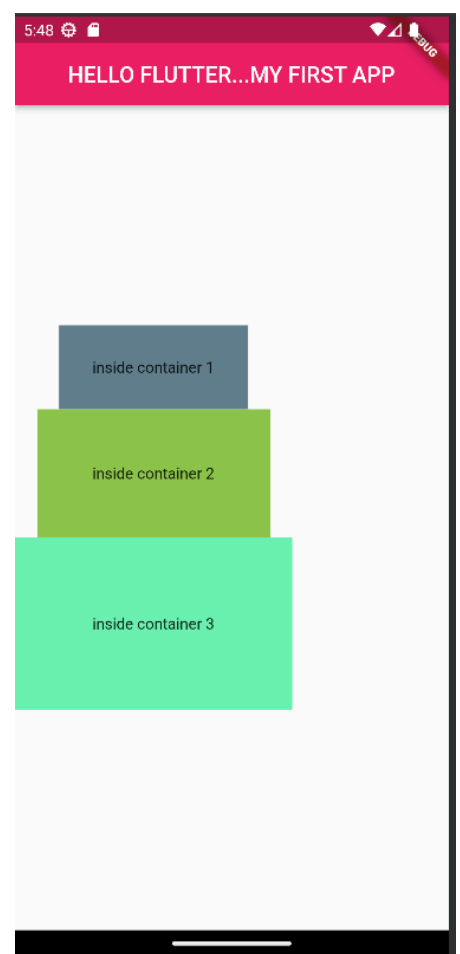
Roll No.: CE136

```
import 'package:flutter/material.dart';

void main() => runApp(MaterialApp(
  home: Scaffold(
    appBar: AppBar(
      title: Text('HELLO FLUTTER...MY FIRST APP'),
      centerTitle: true,
      backgroundColor: Colors.pink,
    ), // AppBar
    body: Padding(
      padding: EdgeInsets.all(50),
      child: Text('Hello Only Padding'),
    ), // Padding
  ), // Scaffold
), // MaterialApp
);
```

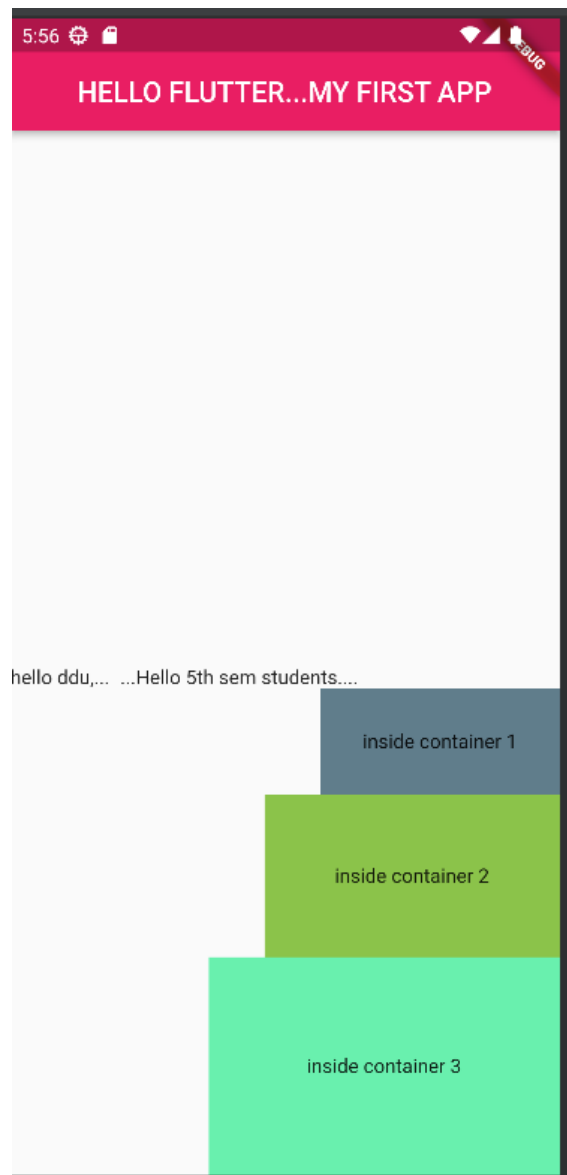


```
// ),
body: Column(
  mainAxisAlignment: MainAxisAlignment.center,
  crossAxisAlignment: CrossAxisAlignment.center,
  children: [
    Container(
      color: Colors.blueGrey,
      padding: EdgeInsets.all(30.0),
      child: Text('inside container 1'),
    ), // Container
    Container(
      color: Colors.lightGreen,
      padding: EdgeInsets.all(50.0),
      child: Text('inside container 2'),
    ), // Container
    Container(
      color: Colors.greenAccent,
      padding: EdgeInsets.all(70.0),
      child: Text('inside container 3'),
    ), // Container
  ],
), // Column
```

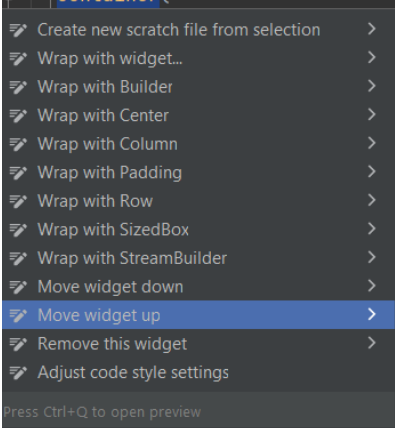


## Test 2

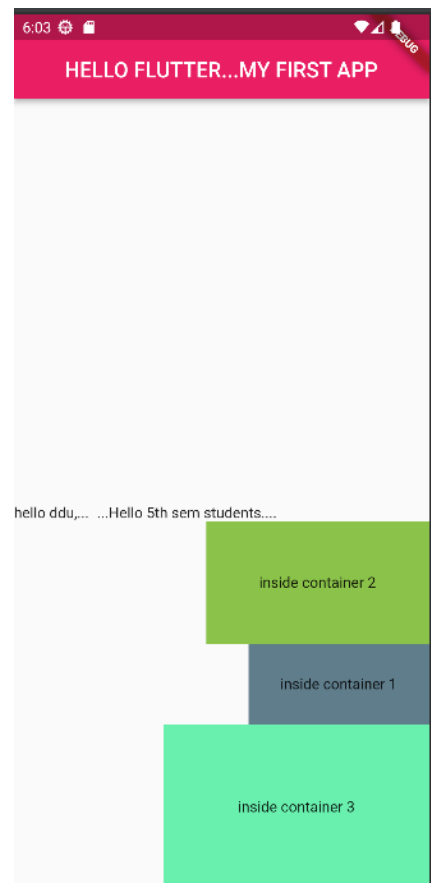
```
body: Column(  
  mainAxisAlignment: MainAxisAlignment.end,  
  crossAxisAlignment: CrossAxisAlignment.end,  
  children: [  
    /* Text('HELLO ROW'),  
    FlatButton(  
      onPressed: () {},  
      color: Colors.purple,  
      child: Text('press me'),  
    ),  
    */  
    Row(  
      children: [  
        Text('hello ddu,... '),  
        Text('...Hello 5th sem students....')  
      ],  
    ), // Row  
    Container(  
      color: Colors.blueGrey,  
      padding: EdgeInsets.all(30.0),  
      child: Text('inside container 1'),  
    ), // Container  
    Container(  
      color: Colors.lightGreen,  
      padding: EdgeInsets.all(50.0),  
      child: Text('inside container 2'),  
    ), // Container  
    Container(  
      color: Colors.greenAccent,  
      padding: EdgeInsets.all(70.0),
```



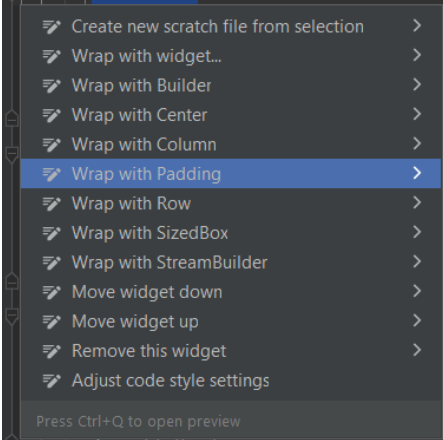
```
Row(
  children: [
    Text('hello ddu,... '),
    Text('...Hello 5th sem students....')
  ],
), // Row
Container(
  color: Colors.blueGrey,
  padding: EdgeInsets.all(30.0),
  child: Text('inside container 1'),
), // Container
Container(
```



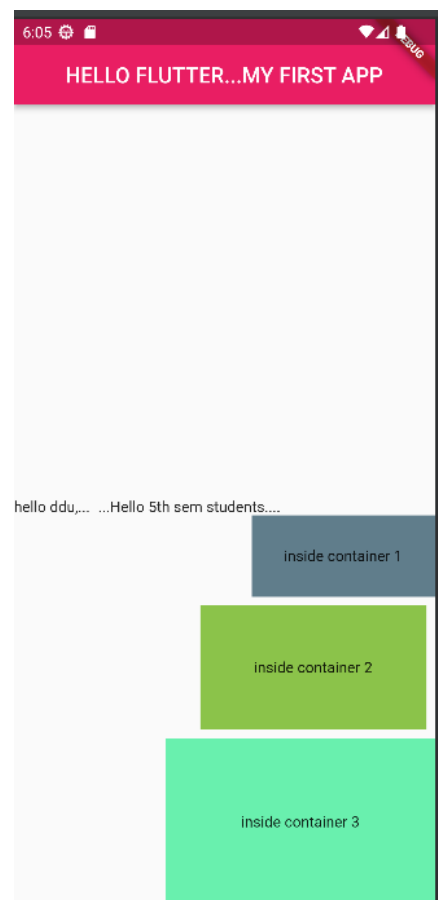
Press Ctrl+Q to open preview

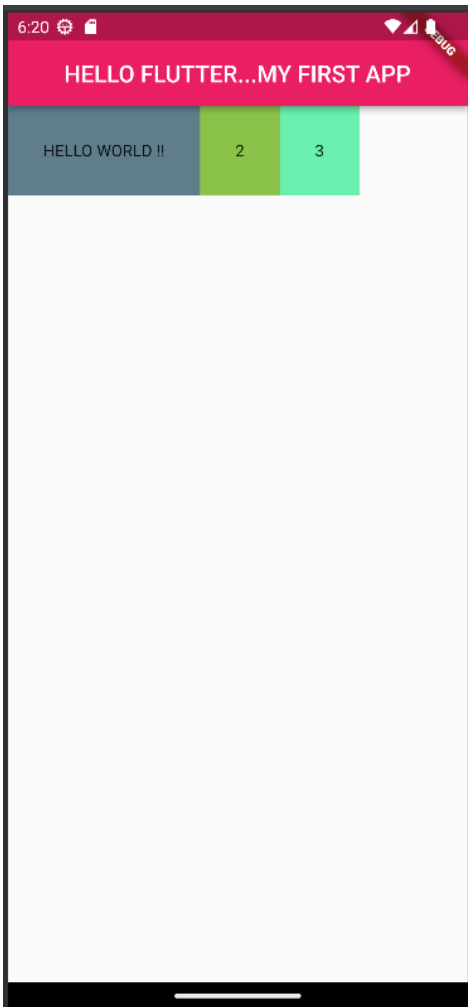


```
Row(
  children: [
    Text('hello ddu,... '),
    Text('...Hello 5th sem students....')
  ],
), // Row
Container(
  // Wrap with Padding
  // Wrap with Row
  // Wrap with SizedBox
  // Wrap with StreamBuilder
  // Move widget down
  // Move widget up
  // Remove this widget
  // Adjust code style settings
), // Container
], // Column
), // Scaffold
); // MaterialApp
```



Press Ctrl+Q to open preview





```

body: Row(
  children: [

    Container(
      color: Colors.blueGrey,
      padding: EdgeInsets.all(30.0),
      child: Text('HELLO WORLD !!'),
    ), // Container

    Container(
      color: Colors.lightGreen,
      padding: EdgeInsets.all(30.0),
      child: Text('2'),
    ), // Container

    Container(
      color: Colors.greenAccent,
      padding: EdgeInsets.all(30.0),
      child: Text('3'),
    ), // Container
  ],
), // Row
), // Scaffold
)); // MaterialApp

```

```

@override
Widget build(BuildContext context) {
  return Scaffold(
    backgroundColor: Colors.grey,
    appBar: AppBar(
      title: Text('First App'),
      centerTitle: true,
      backgroundColor: Colors.black,
      elevation: 0.0,
    ), // AppBar
    body: Padding(
      padding: EdgeInsets.fromLTRB(30, 40, 30, 0),
      child: Column(
        crossAxisAlignment: CrossAxisAlignment.start,
        children: [
          CircleAvatar(
            backgroundImage: AssetImage('assets/img.png'),
            minRadius: 50,
            maxRadius: 75,
          ), // CircleAvatar
          Text(
            'NAME: ',
            style: TextStyle(
              color: Colors.grey[800],
              letterSpacing: 2.0,
            ), // TextStyle
          ), // Text
          SizedBox(height: 10),

```

```

          SizedBox(height: 10),
          Text(
            'Aneri Sonani',
            style: TextStyle(
              color: Colors.blue[900],
              letterSpacing: 2.0,
              fontWeight: FontWeight.bold,
              fontSize: 20.0,
            ), // TextStyle
          ), // Text
          SizedBox(height: 40),
          Text(
            'AGE',
            style: TextStyle(
              color: Colors.grey[800],
              letterSpacing: 2.0,
            ), // TextStyle
          ), // Text
          SizedBox(height: 10),
          Text(
            '19',
            style: TextStyle(
              color: Colors.blue[900],
              letterSpacing: 2.0,
              fontWeight: FontWeight.bold,
              fontSize: 20.0,
            ), // TextStyle

```

```

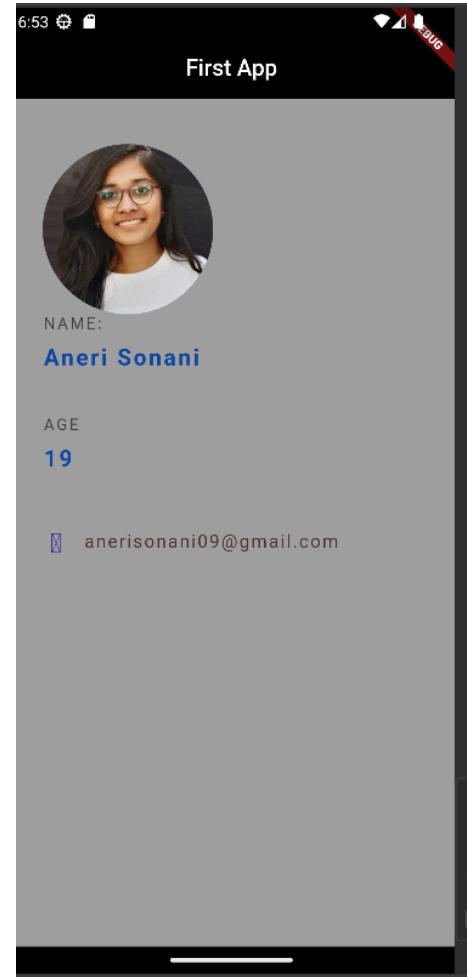
    SizedBox(height: 50),
    Row(
      children: [
        Icon(
          Icons.email_rounded,
          color: Colors.deepPurple[800],
        ), // Icon
        SizedBox(width: 12.0),
        Text(
          'anerisonani09@gmail.com',

          style: TextStyle(

            color: Colors.brown[800],
            fontSize: 16.0,
            letterSpacing: 1.5,

          ), // TextStyle
        ) // Text
      ],
    ) // Row
  ],

```



```

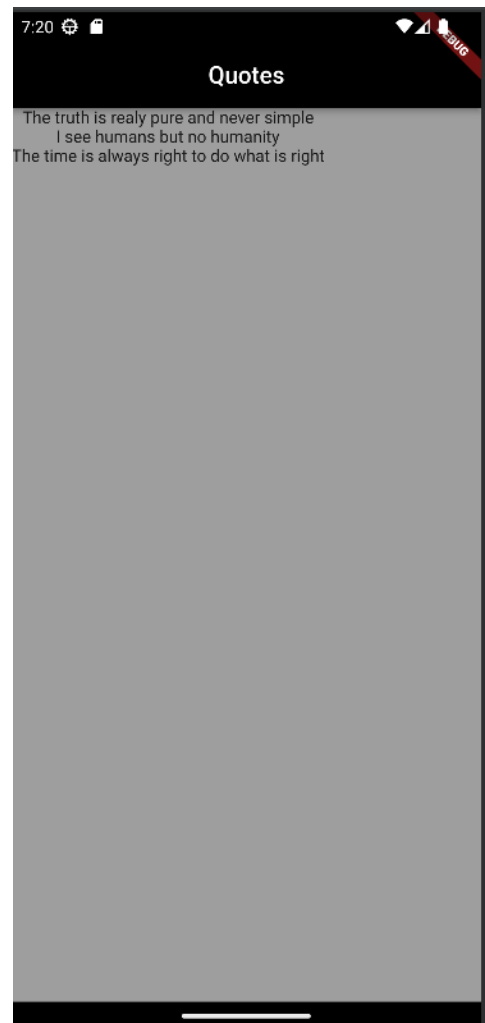
import 'package:flutter/material.dart';

void main() => runApp(MaterialApp(
  home: EchoList(),
)); // MaterialApp

class EchoList extends StatefulWidget {
  const EchoList({Key? key}) : super(key: key);
  @override
  State<EchoList> createState() => _EchoListState();
}

class _EchoListState extends State<EchoList> {
  List<String> quotes = [
    'The truth is really pure and never simple',
    'I see humans but no humanity',
    'The time is always right to do what is right'
  ];
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      backgroundColor: Colors.grey,
      appBar: AppBar(
        title: Text('Quotes'),
        centerTitle: true,
        backgroundColor: Colors.black,
      ), // AppBar
      body: Column(
        // mainAxisAlignment: MainAxisAlignment.center,
        // crossAxisAlignment: CrossAxisAlignment.center,
        children: quotes.map((quote) => Text(quote)).toList(),
      ), // Column
    );
  }
}

```



```

        Text(
          quote.text,
          style: TextStyle(
            fontSize: 20,

            color: Colors.deepPurple,

          ), // TextStyle
        ), // Text
        SizedBox(height: 10),
        Text(
          quote.author,
          style: TextStyle(
            fontSize: 26,

            color: Colors.deepPurple,

          ), // TextStyle
        ), // Text
      ],
    ), // Column
  ), // Padding
); // Card
}

@override
Widget build(BuildContext context) {
  return Scaffold(
    backgroundColor: Colors.grey,
    appBar: AppBar(
      title: Text('Quotes'),

```

```

import 'package:flutter/material.dart';
import 'quote.dart'; // due to same directory file no need path

void main() => runApp(MaterialApp(
  home: EchoList(),
)); // MaterialApp

class EchoList extends StatefulWidget {
  const EchoList({Key? key}) : super(key: key);
  @override
  State<EchoList> createState() => _EchoListState();
}

class _EchoListState extends State<EchoList> {

  List<Quote> quotes = [
    Quote(text: 'The truth is really pure and never simple',author:
      'Aneri'),

    Quote(author: 'Aneri', text: 'I see humans but no humanity'),
    Quote(text: 'The time is always right to do what is right',author:
      'Aneri'),
  ];

  Widget quoteTemplate(quote){
    return Card(
      margin: EdgeInsets.fromLTRB(20.0, 30.0, 40.0, 10.0),
      child: Padding(
        padding: const EdgeInsets.all(12.0),
        child: Column(
          crossAxisAlignment: CrossAxisAlignment.stretch,
          children: [

```

```

@override
Widget build(BuildContext context) {
  return Scaffold(
    backgroundColor: Colors.grey,
    appBar: AppBar(
      title: Text('Quotes'),
      centerTitle: true,
      backgroundColor: Colors.black,
    ), // AppBar
    body: Column(
      |
      children: quotes.map((quote) => quoteTemplate(quote)).toList(),
    ), // Column
  ); // Scaffold
}
}

```

```
class Quote {  
    String text;  
    String author;  
    Quote({this.text = '', this.author = ''});  
}
```

**Github Repository Link :**

[https://github.com/AneriSonani09/SDP\\_Labs/tree/master](https://github.com/AneriSonani09/SDP_Labs/tree/master)

[AneriSonani09](#)

